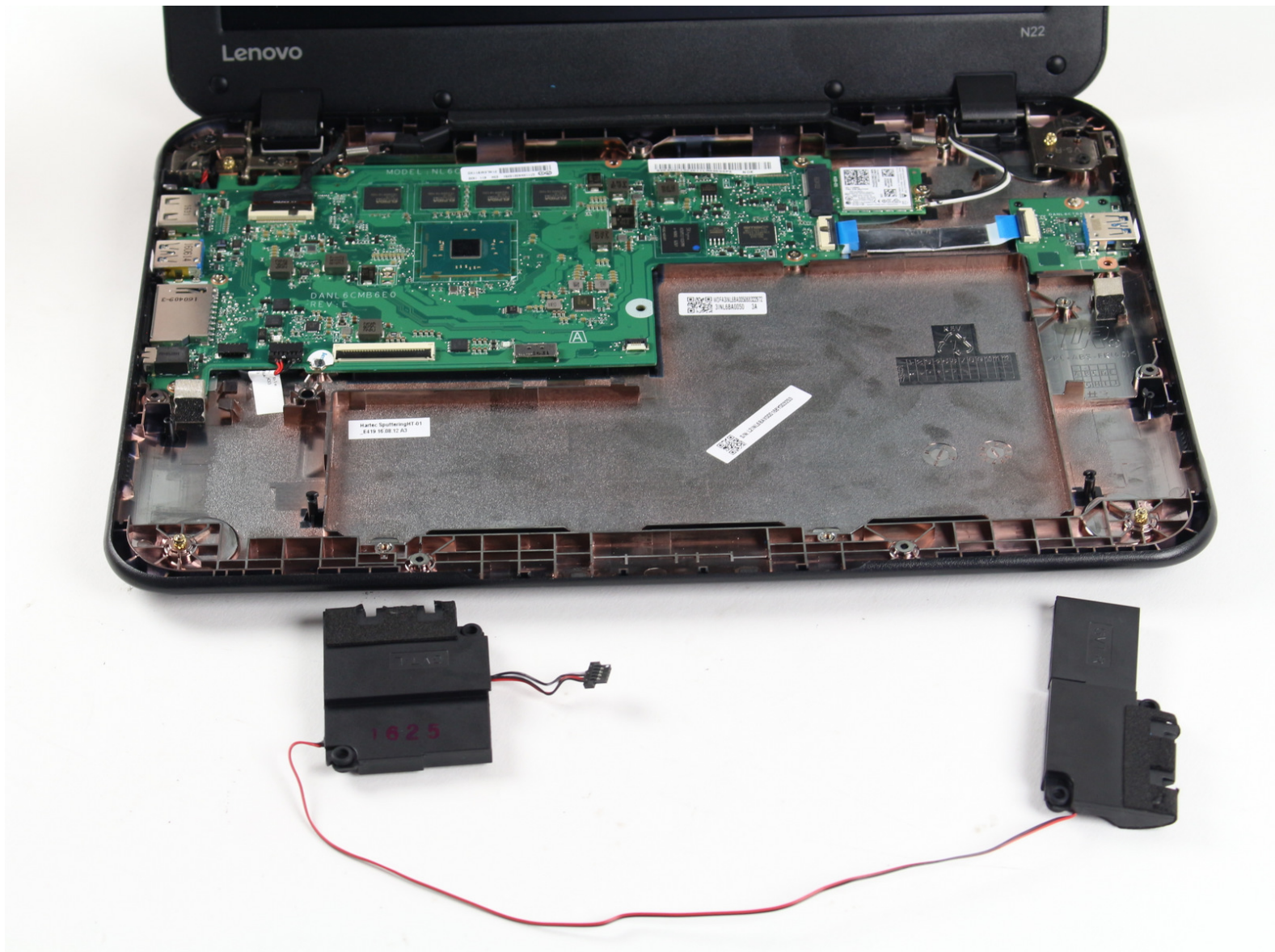




Lenovo N22 Chromebook Speakers Replacement

Replacing faulty speakers from the Chromebook.

Written By: Kevin Yerina



INTRODUCTION

This guide will cover the steps needed to remove the speakers. The speakers may need to be removed if the user is experiencing distorted or no audio.



TOOLS:

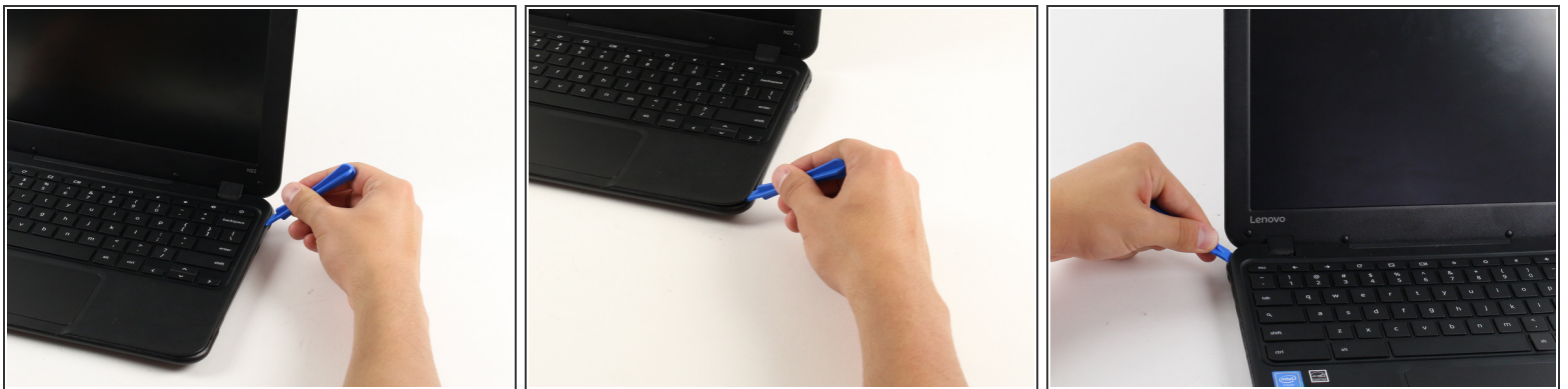
- [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Keyboard



- ⚠ Power down the Chromebook before starting the repair.
- ⚠ Opening the Chromebook voids the manufacturer warranty.
- Flip the Chromebook so that the bottom is facing up.
- Use a Phillips #1 screwdriver to remove the six 6.6 mm screws. Rotate the screws to the left with the screwdriver.

Step 2



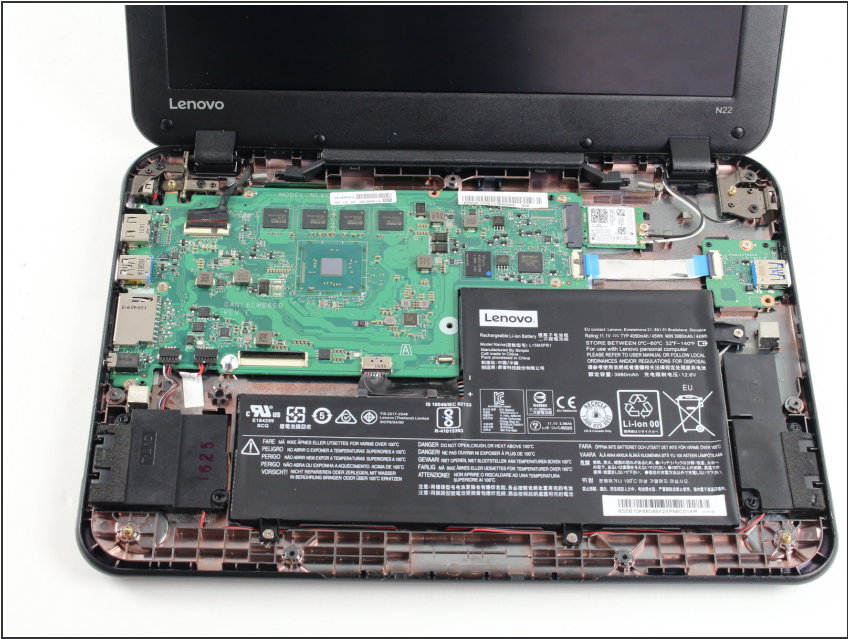
- Flip the Chromebook back over and open the screen.
- Wedge the plastic opening tool between the keyboard and the bottom of the Chromebook.
- Run the plastic opening tool along the seam between the keyboard and the bottom of the Chromebook until the keyboard moves freely. Several tabs will pop out.
- ⓘ It is normal for the tabs to make a loud click when released. The corner tabs will be harder to release than the others and will make a louder click.

Step 3



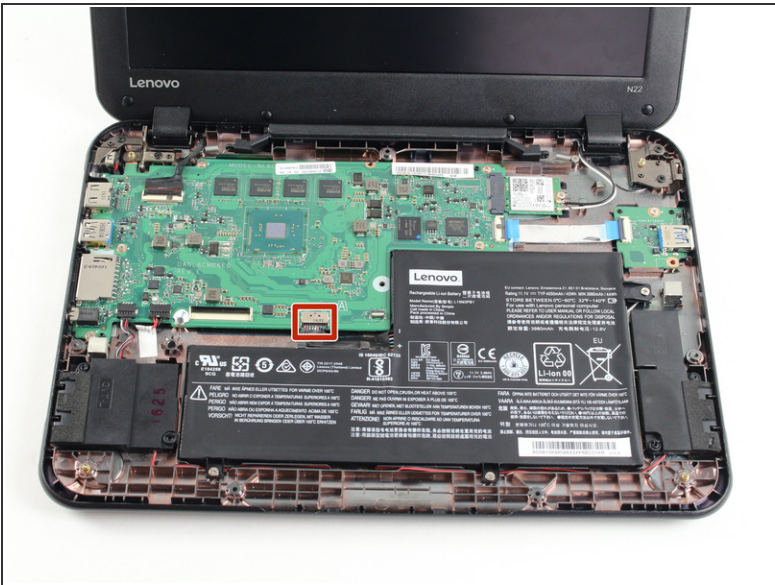
- Once the keyboard is released, grab the two top corners closest to the screen and slowly lift the keyboard up.
- ⚠ Do not lift the keyboard quickly or you might break the two cables that connect the keyboard to the motherboard.
- Disconnect the cables by lifting up the retaining flaps on the black ZIF connectors.
- Slowly pull the cables up and out of the connectors.

Step 4



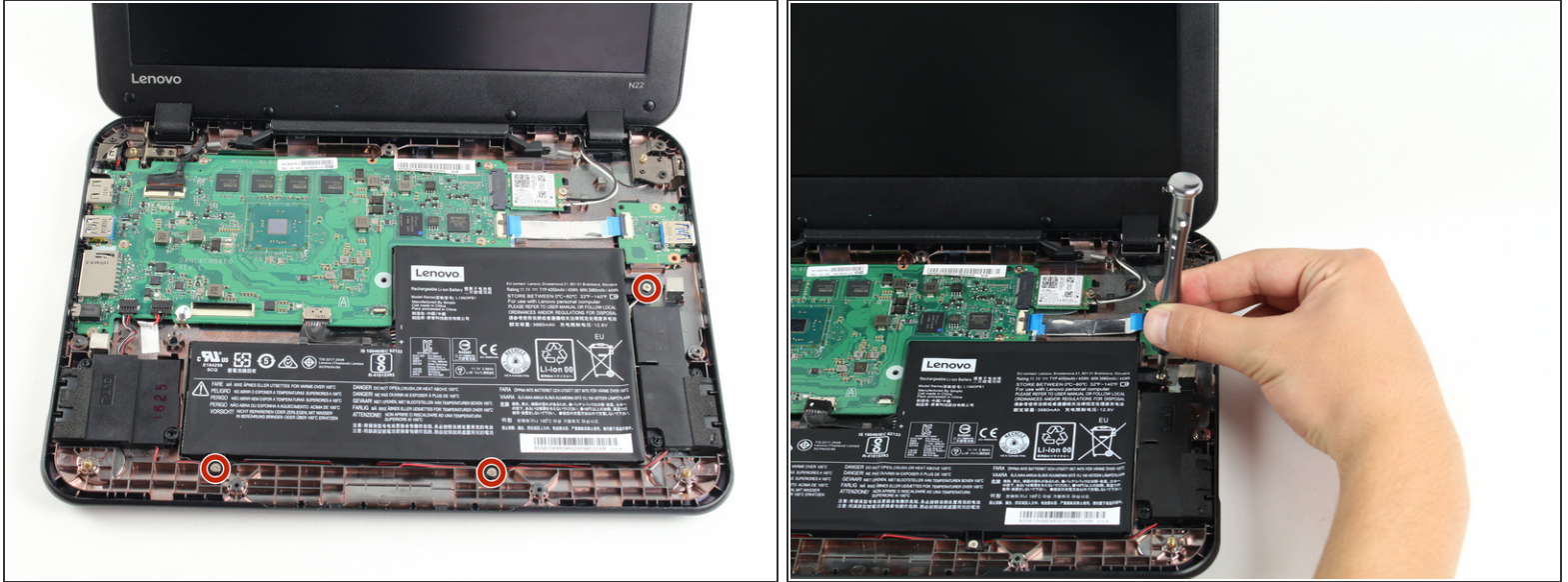
- Lift the keyboard up and off the back panel, exposing the motherboard and battery.

Step 5 — Battery



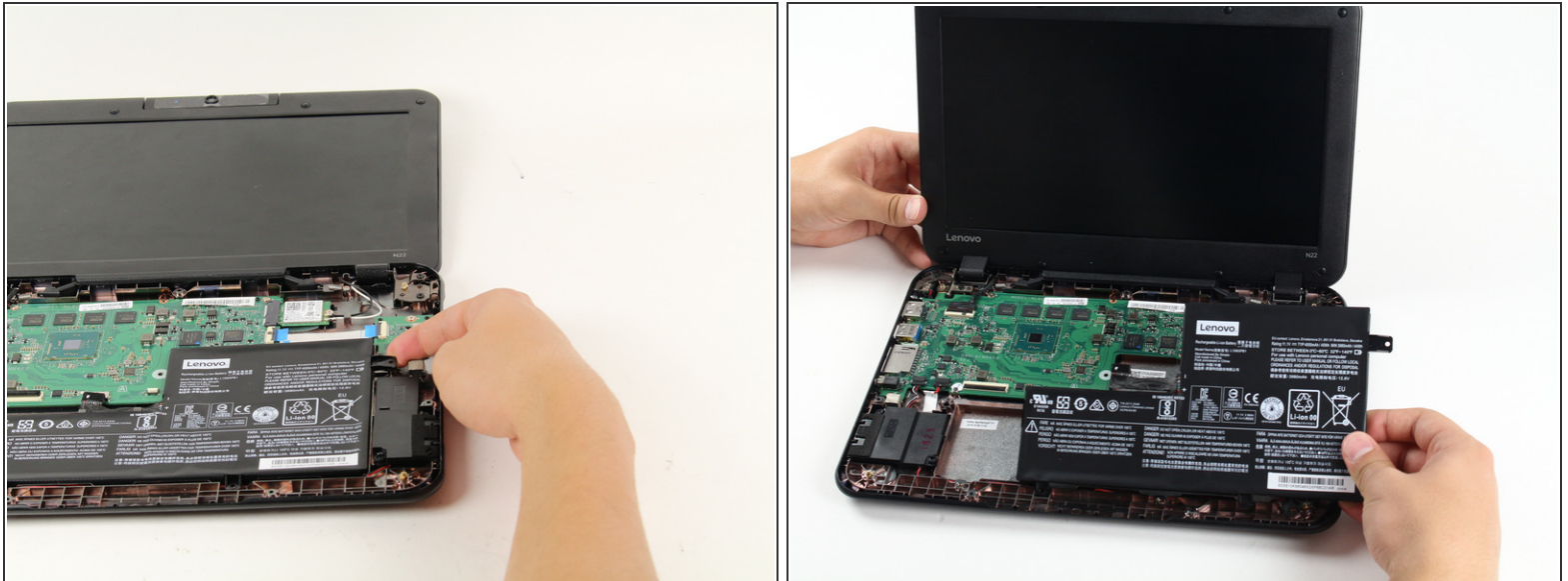
- Separate the battery cable from the motherboard by wedging the edge of a plastic opening tool between the black cable connector and the silver socket on the motherboard.
- Pull the battery cable straight towards you, away from the silver socket.

Step 6



- Use a Philips #1 screwdriver to remove the three 4.3 mm screws securing the battery.

Step 7



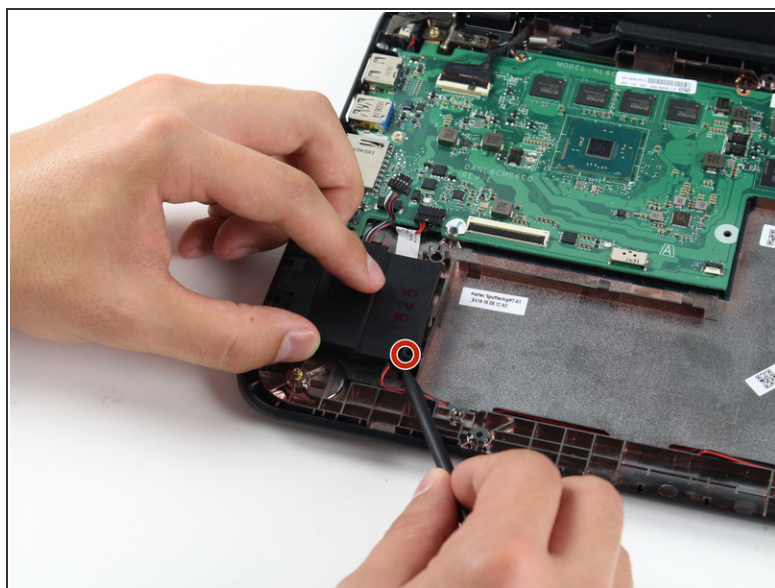
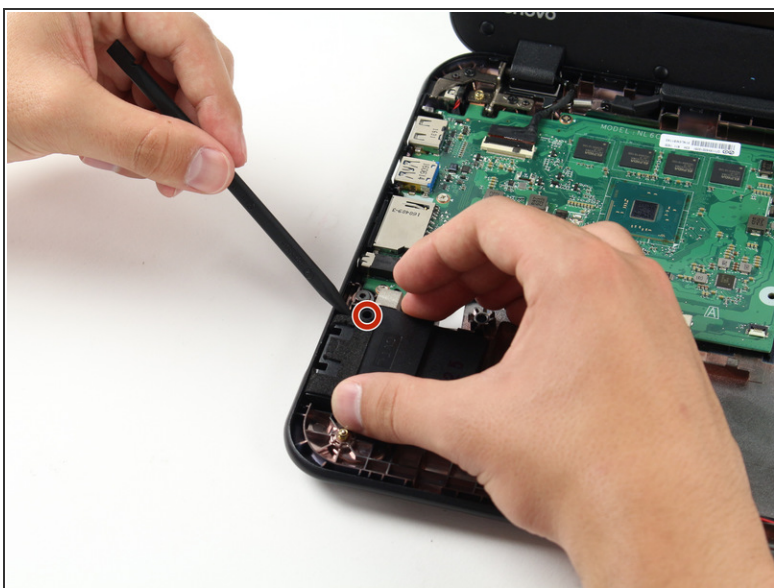
- Lift up on the tabs that were held down by the screws to remove the battery.

Step 8 — Speakers



- Use the edge of the opening tool to separate the speaker cable connector from the black socket on the motherboard.
- Pull the cables towards you and away from the socket.

Step 9



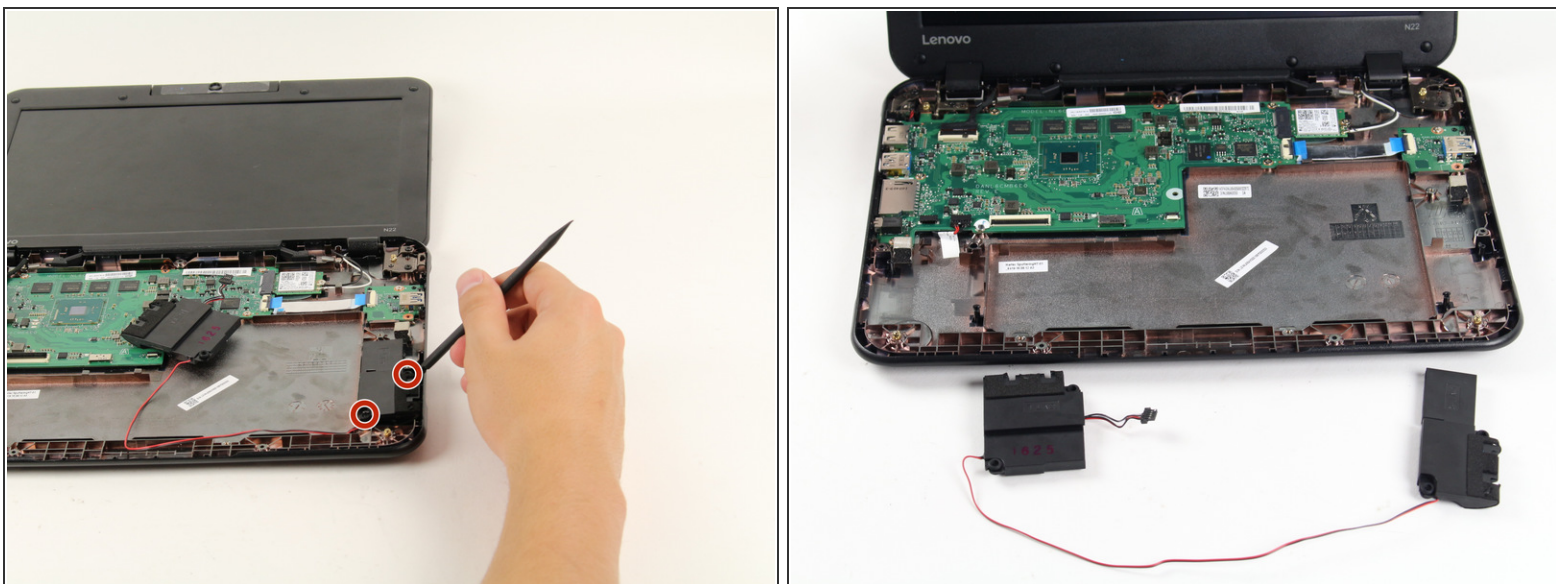
- Use the pointed end of the spudger to pop the speaker up and off of the two posts.

Step 10



- Slide the wire that connects the two separate speakers out from under the guide tabs.

Step 11



- Use the flat end of the spudger to pop the speaker up and off of the two posts.

To reassemble your device, follow these instructions in reverse order.

